commodore

COMMODORE BUSINESS MACHINES, INC.
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CABLE ADDRESS COMBUSMAC PLA

TELEX TO: T. Tokai   CC: J.Guinn
         FM: M.Tomczyk   D.Sanford
         RE: VIC 20

1. MEMO ENROUTE RE YOUR TELEX.

2. MOS SCHEDULE COMING SOON.

3. CHIP TEST/RELIABILITY DATA YOU ASKED FOR IN MAIL.
    HERE ARE SPECIFICS:

    a. 100% ELECTRICAL AT 87 DEGREES F.

    b. ALL LOTS BURNED IN AT 125 DEGR. OR 90 DEGR. (PLASTIC)

    c. QA OUTGOING .65 AQL

4. USER MANUAL UNDER DEVELOPMENT, READY BY DEC 30. SUGGEST
    YOU ADAPT REFERENCE MANUAL AS JAPAN USER MANUAL. WE
    PLAN TO PROVIDE SMALL (100-150 pg) USER MANUAL AND SELL
    REFERENCE MANUAL SEPARATELY.

5. COMMODORE LEARNING SERIES (BOOK/TAPE COMBINATION)READY DECEMBER.
        ("INTRODUCTION TO COMPUTING...ON THE VIC"IS TITLE OF FIRST ONE)

6. RF MODULATOR TO BE SOLD SEPARATELY IN U.S. STILL DETERMINING
    WHETHER COMMODORE SELLS OR NOT (FCC REGS ARE INVOLVED).
    BASIC CPU IS $299.95. RF MOD IS EXTRA (UNDER $30 RETAIL).

7. NEW COLOR COMBINATION (BEIGE CASE, BROWN KEYS, IVORY LTRS,
    LT. BROWN F KEYS) SOUNDS EXCELLENT.

8. CASSETTE...SHOULDN'T WE CHANGE COLOR TO MATCH? SHIMASAKI
    CAN SUGGEST COLORS IF IT IS FEASIBLE FM MANUFACTURING STANDPOINT.

9. FUNCTION KEYS WILL BE PROGRAMMABLE IN U.S. VERSION. ALSO,
    THEY WILL BE PREASSIGNED AS FOLLOWS:

        F1...SCOLOR (SCREEN COLOR) — NOTE CHANGE
        F2...BCOLOR (BORDER COLOR) — NOTE CHANGE
        F3...SOUND
        F4...VOL — NOTE CHANGE
        F5...START
        F6...LIST
        F7...OPTION A
        F8...OPTION B

    WE WILL INCLUDE A DECAL WHICH USER CAN AFFIX TO MACHINE
    NEXT TO FUNCTION KEYS. ALSO BLANK DECAL SO USER CAN

WRITE IN HIS OWN FUNCTIONS. OF COURSE, SOFTWARE WRITERS
CAN ALSO ADAPT FUNCTIONS ON ROM & INCLUDE DECAL WITH THEIR
PRODUCT.   TWO VERT.DECALS CAN BE USED ON CPU AT ONCE FOR
2 DIFF ROM CARTRIDGES/FUNCTION SETS.

10.   IT WAS SUGGESTED THAT WE TRY TO PUT SOME KIND OF
RAINBOW-TYPE COLOR ON THE VIC (LIKE WE HAVE ON THE TOI)
TO EMPHASIZE COLOR. MAYBE RAINBOW CAN BE ON DECAL. (COST?)

11.   2031 DISK DRIVE...I SUGGESTED INCLUDING SERIAL & IEEE
      CONNECTORS ON SAME DRIVE SO VIC USER CAN UPGRADE TO
      TOI/PET AT LESS COST LATER. ALSO, PRODUCTION
      EFFICIENCIES? WHAT DO YOU THINK? - TELL J.T./J.GUINN

12.   SOFTWARE DEVELOPMENT...I ASKED J.GUINN TO HAVE SOMEONE
      PREPARE A KIT FOR SOFTWARE DEVELOPERS (EXPLAINING THE
      KERNAL, MEMORY MAPS, TIPS FOR ROM PROGRAMS, HOW TO
      BEST USE THE 3.5K AVAIL RAM, ETC.). I ASKED FOR
      SOMETHING BY 20 OCT IF POSS. WILL SEND YOU ASAP.

13.   GAMES...YOU HAVE SOMEONE WORKING ON ATARI STAR RAIDERS
      CONVERSION? SPACE INVADERS? LET ME KNOW WHEN U HAVE
      PROTOTYPES.

LONGER MEMO COMING. GOOD LUCK W.YOUR CONTINUING INTRODUCTION.
LET ME KNOW IF U HAVE ANY QUESTIONS/NEEDS.

RGDS

M.TOMCZYK

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